

Title (en)

INSTALLATION FOR WIRELESS TRANSMISSION OF TELEPHONIC COMMUNICATIONS WITH A NUMBER OF RADIO CHANNELS INFERIOR TO THE NUMBER OF SUBSCRIBER STATIONS

Publication

EP 0018941 B1 19830727 (DE)

Application

EP 80810116 A 19800402

Priority

CH 424179 A 19790507

Abstract (en)

[origin: EP0018941A1] 1. Installation for the wireless transmission of telephone conversations, with several subscriber's sets (S1... S4), each having an identification signal, with a subscriber's line (L1... L4) respectively associated with each of the subscriber's sets, leading to a telephone exchange, and having an identification signal, with a number, less than the number of subscriber's sets, of radio channels (K1, K2) used alternately by the different subscriber's sets, with a transmitter (2) and a receiver (3), both respectively associated (at the subscriber's end) with each of the subscriber's sets, switchable to the different channels, with a transmitter (7) and a receiver (8) (at the exchange end), both respectively associated with each channel and connectable to the different subscriber's lines (L1... L4), with circuit means for transmitting the identification signal of a subscriber's line on which a call comes in, the identification signal of a subscriber's set from which it is intended to establish a communication, and the dialling pulses transmitted by the subscriber's set with the aid of signal frequencies outside the speech band, further with circuit means (320) at the exchange end for identifying a channel over which a call directed to a subscriber's set is supposed to be transmitted, and with circuit means (226) associated with the individual subscribers, which circuit means (226), in the rest state of the respective subscriber's set, switch the associated receiver (3) cyclically over to reception of the different channels and interrupt the switching-over upon reception of an identified channel, characterized in that a frequency (218, 309, 318, 209) below the speech band is used as the signal frequency, that both the identification signals and the dialling pulses are transmitted with the aid of phase-modulation of the signal frequency, exhibiting digital phase reversals (fig. 5), and that the said identification of a call takes place by means of a single control frequency (320, 210) modulated upon the respective channel, situated in the speech band, and associated with several subscriber's sets in common.

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